signal into a second signal, the method including estimating a characteristic of at least one of said first and composite signals, and selectively conditioning the composite signal, the selection of whether to condition the composite signal being based on the estimated characteristic.

A1 Amcld

In yet a further aspect of the present invention, a computer-readable media embodying a program of instructions executable by a computer performs a method of cancelling a far end echo from a near end signal, the method including estimating a characteristic of at least one of a far end signal and the near end signal, and selectively cancelling the echo from the near end signal, the selection of whether to cancel the echo from the near end signal being based on the estimated characteristic.

In another aspect of the present invention, a signal conditioner for conditioning a composite signal, the composite signal being formed by introducing at least a portion of a first signal into a second signal, includes canceller means for recovering the second signal from the composite signal, and bypass means for selectively enabling the cancelling means.

Page 5, line 2, delete "dtect" and insert - - detect - -.

Page 14, line 3, after "echos" insert -- that might otherwise be transmitted back to the far end user --.

A2

Page 15, line 11, delete "voice".

Page 19, line 25, delete "inter-digit".

Page 27, line 23, delete ",".

Page 30, line 34, after "VHD" insert -- via the switchboard 32'" - -.

Page 32, line 20, delete "166" and insert -- 162 --.

Page 35, line 28, delete "are".

Page 36, line 13, delete "." and insert --, -- and after "function" insert --of --.

Page 47, line 35, after "to" insert -- handle -- and delete "switch between" and insert - - switched - -.

A3 Page 51, line 15, after "case," insert -- the inputs to the lost frame recovery engine are

line 16, second occurrence delete "is".

Page 52, line 14, delete "R" and insert - - autocorrelation - -.

Page 53, line 3, delete "R" and insert - - autocorrelation - -.

Page 54, line 8, delete "equation".

A4 Page 56, line 15, after "65536." insert -- Knuth, D. "The Art of Computer Programming, Volume 2, Seminumerical Algorithms," Addison-Wesley, 1969. --

A5 Page 60, line 10, delete "e $(-j2\pi f_{mid})$" and insert -- $e^{(-j2\pi fmid)}$ --.

Page 62, line 32, delete "progress tone" and insert - - Progress Tone - -.

Page 68, line 7, delete "In one embodiment, the resource manager can be implemented to reduce complexity when the worst case system loading exceeds the peak system resources. The worst case system loading is simply the sum of the worst case (peak) loading of each service invoked by the network VHD and its associated PXDs. However, the statistical nature of the processor resources required to process voice band telephony signals is such that it is

extremely unlikely that the worst case processor loading for each PXD and/or service will occur simultaneously. Thus, a more robust (lower overall power consumption and higher densitites, i.e. more channels per DSP) signal processing system may be realized if the average complexity of the various voice mode PXDs and associated services is minimized. Therefore, in the described exemplary embodiment, average system complexity is reduced and system resources may be over subscribed (peak loading exceeds peak system resources) in the short term wherein complexity reductions are invoked to reduce the peak loading placed on the system." and insert -- The resource manager can be implemented to reduce complexity when the worst case system loading exceeds the peak system resources. The worst case system loading is simply the sum of the worst case (peak) loading of each service invoked by the network VHD and its associated PXDs.

The statistical nature of the processor resources required to process voice band telephony signals is such that it is extremely unlikely that the worst case processor loading for each PXD and/or service will occur simultaneously. Thus, a more robust (lower overall power consumption and higher densities, i.e. more channels per DSP) signal processing system may be realized if the average complexity of the various voice mode PXDs and associated services is minimized. In the described exemplary embodiment, average system complexity is reduced and system resources may be over subscribed (peak loading exceeds peak system resources) in the short term wherein complexity reductions are invoked to reduce the peak loading placed on the system. --

Page 69, line 24, delete

" $$X(L) = \frac{\left(\sum_{n=0}^{N-1} (d(n)(dn-L))\right)^2}{\left(\sum_{n=o}^{N-1} d(n)^2\right)\left(\sum_{n=0}^{N-1} d(n-L)^2\right)}$$ " and insert